Series			Standard	Standard	Standard	Standard		Standard	Standard	Standard	Standard
Capacity			18K	27K	36K	48K		18K	27K	36K	48K
Indoor unit type			Non-ducted	Non-ducted	Non-ducted	Non-ducted		Ducted	Ducted	Ducted	Ducted
Customer Outdoor unit model			CMZ-18-2Z	CMZ-27-3Z	CMZ-48-4Z	CMZ-54-5Z		CMZ-18-2Z	CMZ-27-3Z	CMZ-48-4Z	CMZ-54-5Z
Power supply	Rated	V, Ph, Hz	208/230, 1, 60	208/230, 1, 60	208/230, 1, 60	208/230, 1, 60		208/230, 1, 60	208/230, 1, 60	208/230, 1, 60	208/230, 1, 60
	Voltage range	V	187-253	187-253	187-253	187-253		187-253	187-253	187-253	187-253
Cooling	Capacity	Btu/h	18000(5650~22000)	28000(9838~30438)	36000(8209~40555)	48000(19000~50000)		18000(3850~22400)	28000(9277~30776)	36000(8789~40288)	49000(19400~51000)
	Input	W	1355	2240	3125	3840		1498	2485	3400	4850
	Rated current	A	6,2	11	13.6	16,8		6,7	11.5	14.8	21.5
	EER	Btu/Btu	13,3	12.5	11.5	12,5		12	11.2	11.0	10.1
	SEER		22,5	23.8	23.0	22,4		19,0	21	19.5	20.5
Heating at 47℉	Capacity	Btu/h	19000(5050~24400)	28000(8218~31000)	37000(8008~44632)	48000(12500~52000)		19000(5050~24400)	28000(8388~28869)	37000(6900~46624)	50000(15500~56000)
	Input	W	1420	2200	3000	3910		1465	2245	3012	4100
	Rated current	A	6,3	10.5	13.0	17,1		6,5	10.5	13.0	18.2
	COP	W/W	3,92	3.73	3.61	3,6		3,8	3.66	3.60	3.57
	HSPF4		10,6	10.5	11.3	11,0		10,8	10.2	10.7	11.5
	HSPF5		8,5	8.8	9.2	8,8		8,8	8.3	8.6	9.78
Heating at 5℉ (-15℃)	Rated capacity	Btu/h	12400	15500	23959	27000		13000	15500	24000	29000
	COP	W/W	1,75	1.75	1.75	1,65		1,75	1.6	1.68	1.70
The Rated Input Current of The Power Conversion Equipment (outdoor unit)		A	13,0	19,0	20,5	26,0		13,0	19,0	20,5	26,0
MINIMUM CIRCUIT AMPACITY (outdoor unit)		A	18,0	24.5	25.0	40,0		18,0	24.5	25.0	40,0
MAX. FUSE (outdoor unit)		A	25,0	30,0	40,0	60,0		25,0	30,0	40,0	60,0
Outdoor air flow		m3/h	3000	3620	3650	7650		3000	3620	3650	7650
Outdoor air flow		CFM	1764.71	2129.41	2147.06	4500.00		1764.71	2129.41	2147.06	4500.00
Outdoor noise level		dB(A)	58,5	61	63	64		58,5	61	63	64
Throttle type			Capillary +EXV	Capillary +EXV	Capillary +EXV	Capillary +EXV		Capillary +EXV	Capillary +EXV	Capillary +EXV	Capillary +EXV
Outdoor unit	Dimension (W×D×H)	mm	890x342x673	946x410x810	946x410x810	952x415x1333		890x342x673	946x410x810	946x410x810	952x415x1333
		inch	35.04x13.46x26.50	37.24x16.14x31.89	37.24x16.14x31.89	37.48x16.34x52.48		35.04x13.46x26.50	37.24x16.14x31.89	37.24x16.14x31.89	37.48x16.34x52.48
	Packing (W×D×H)	mm	995x398x740	1090x500x885	1090x500x885	1095x495x1480		995x398x740	1090x500x885	1090x500x885	1095x495x1480
		inch	39.17x15.67x29.13	42.91x19.69x34.84	42.91x19.69x34.84	43.11x19.49x58.27		39.17x15.67x29.13	42.91x19.69x34.84	42.91x19.69x34.84	43.11x19.49x58.27
	Net/Gross weight	kg	45.5/49.3	63.4/68.3	76.7/82.3	102.3/116.4		45.5/49.3	63.4/68.3	76.7/82.3	102.3/116.4
		lbs.	100.31/108.69	139.77/150.57	169.09/181.44	225.53/256.62		100.31/108.69	139.77/150.57	169.09/181.44	225.53/256.62
Refrigerant	Type/Charged	g	R410A/1850	R410A/2600	R410A/3800	R410A/4600		R410A/1850	R410A/2600	R410A/3800	R410A/4600
		oz	R410A/65.26	R410A/91.7	R410A/134.04	R410A/162		R410A/65.26	R410A/91.7	R410A/134.04	R410A/162
Refrigerant precharge(Total pipe length)		m	15	22,5	30	37,5		15	22,5	30	37,5
		ft	49	74	98	123		49	74	98	123
Additional charge for each ft	Φ6.35 (1/4") liquid pipe	g	15	15	15	15		15	15	15	15
		oz	0.161	0.161	0.161	0.161		0.161	0.161	0.161	0.161
	Φ9.52 (3/8") liquid pipe	g	30	30	30	30		30	30	30	30
		oz	0.322	0.322	0.322	0.322		0.322	0.322	0.322	0.322
Design pressure		PSIG	550/340	550/340	550/340	550/340		550/340	550/340	550/340	550/340
Refrigerant piping	Liquid side	mm	2 x Φ6.35	3 x Φ6.35	4 x Φ6.35	5 x Φ6.35		2 x Φ6.35	3 x Φ6.35	4 x Φ6.35	5 x Φ6.35
		inch	2 x 1/4"	3 x 1/4"	4 x 1/4"	5 x 1/4"		2 x 1/4"	3 x 1/4"	4 x 1/4"	5 x 1/4"
	Gas side	mm	2 x Φ9.52	3 x Φ9.52	3 x Φ9.52 + 1 x Φ12.7	3 x Φ9.52 + 2 x Φ12.7		2 x Φ9.52	3 x Φ9.52	3 x Φ9.52 + 1 x Φ12.7	3 x Φ9.52 + 2 x Φ12.7
		inch	2 x 3/8"	3 x 3/8"	3 x 3/8" + 1 x 1/2"	3 x 3/8" + 2 x 1/2"		2 x 3/8"	3 x 3/8"	3 x 3/8" + 1 x 1/2"	3 x 3/8" + 2 x 1/2"
	Max. length for all rooms	m	40	60	80	80		40	60	80	80
		ft	131	197	262	262		131	197	262	262
	Max. length for one indoor unit	m	25	30	35	35		25	30	35	35
		ft	82	98	115	115		82	98	115	115
	Max. height difference between indoor and outdoor unit	m	15	15	15	15		15	15	15	15
		ft	49	49	49	49		49	49	49	49
	Max. height difference between indoor units	m	10	10	10	10		10	10	10	10
		ft	33	33	33	33		33	33	33	33
Connection wiring			16AWG*4 Stranded, unshielded	16AWG*4 Stranded, unshielded	16AWG*4 Stranded, unshielded	16AWG*4 Stranded, unshielded		16AWG*4 Stranded, unshielded	16AWG*4 Stranded, unshielded	16AWG*4 Stranded, unshielded	16AWG*4 Stranded, unshielded
Communication protocol between IDU and ODU			Current loop	Current loop	Current loop	Current loop		Current loop	Current loop	Current loop	Current loop
Outdoor ambient temperature	Cooling	℃	-25~50	-25~50	-25~50	-25~50		-25~50	-25~50	-25~50	-25~50
		℉	-13~122	-13~122	-13~122	-13~122		-13~122	-13~122	-13~122	-13~122
	Heating	℃	-25~30	-25~30	-25~30	-25~30		-25~30	-25~30	-25~30	-25~30
		℉	-13~86	-13~86	-13~86	-13~86		-13~86	-13~86	-13~86	-13~86